

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query  | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|--|------------------|---------|---------------------|
| L1    | 4     | ("20030178275"   "5975261"   "6231472"   "6354413").PN.   | US-PGPUB;<br>USPAT                       | OR               | OFF     | 2010/02/04<br>16:12 |
| L2    | 41    | ("4441315"   "4949822"   "5129493"   "5377796"   "5400884"   "5533602"   "5551928"   "5733218"   "5771998"   "5860500"   "5863274"   "5975261"   "6003650"   "6019683"   "6058802"   "6099434"   "6223872").PN. OR ("2003/0178275"   "5975261"   "6231472"   "6354413").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR               | OFF     | 2010/02/04<br>16:12 |
| L3    | 43    | L1 L2   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L4    | 110   | arhab-rabah.in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L5    | 19    | bonnel-daniel.in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L6    | 12    | termenon-norberto.in.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L7    | 123   | L4 L5 L6  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L8    | 121   | L7 not L3   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L9    | 164   | L3 L8   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L10   | 1495  | (hydrodynamic hydrokinetic) adj2 (clutch or coupling)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L11   | 28970 | "torque converter"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |
| L12   | 29969 | L10 L11   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | OFF     | 2010/02/04<br>16:12 |

|     |        |   |  |    |     |                     |
|-----|--------|---|--|----|-----|---------------------|
| L13 | 11316  | ((lock adj up) or (lock\$1up<br>bypass bridg\$3)) adj (clutch<br>or coupling) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L14 | 452028 | damp\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L15 | 7261   | L12 and L13   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L16 | 2099   | L14 and L15   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L17 | 11116  | (prevent\$3 restrict\$3) WITH<br>((flow or circulat\$3) and<br>radial)        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L18 | 24     | L16 and L17   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L19 | 183    | L9 L18  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L20 | 22840  | valeo.as.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L21 | 50     | L20 and L16   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L22 | 25     | L21 not L19   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L23 | 208    | L19 L22   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L24 | 869    | 192/3.29.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L25 | 805    | 192/3.3.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L26 | 1598   | L24 L25   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L27 | 688    | L26 and L14   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L28 | 19     | L27 and L17   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L29 | 3      | L28 not L23   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |

|     |         |                         |  |    |     |                     |
|-----|---------|-------------------------|--|----|-----|---------------------|
| L30 | 211     | L23 L29                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L31 | 561     | 192/70.12.ccls.         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L32 | 878     | 192/113.34-113.36.ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L33 | 1185    | L31 L32                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L34 | 83      | L26 and L33             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L35 | 72      | L34 not L30             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L36 | 283     | L30 L35                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L37 | 428     | L26 and cool\$3         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L38 | 247     | L37 and L14             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L39 | 167     | L38 not L36             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L40 | 450     | L36 L39                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L41 | 361     | 192/212.ccls.           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L42 | 529     | 192/70.17.ccls.         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L43 | 816     | L41 L42                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L44 | 207     | L12 and L43             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L45 | 2428334 | cool\$3                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L46 | 43      | L44 and L45             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |

|     |         |  |  |    |     |                     |
|-----|---------|--|--|----|-----|---------------------|
| L47 | 10      | L46 not L40  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L48 | 460     | L40 L47  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L49 | 88      | ("2707887"   "2943516"  <br>"3068974"   "3240308"  <br>"3313181"   "4108289"  <br>"4138003"   "4347717"  <br>"4529070"   "4949822"  <br>"4951788"   "5054590"  <br>"5129493"   "5211270"  <br>"5377746"   "5400884"  <br>"5441135"   "5511640"  <br>"5533602"   "5551928"  <br>"5570767"   "5667042"  <br>"5725447"   "5733218"  <br>"5755314"   "5771998"  <br>"5782327"   "5863274"  <br>"5964329"   "5975261"  <br>"6003650"   "6019683"  <br>"6047806"   "6058802"  <br>"6099434"   "6142272"  <br>"6223872"   "6244401"  <br>"6325191"   "6640946"  <br>"6832673"   "7077253").PN.<br>OR ("2004/0144607"  <br>"2006/0266606"   "5964329"<br>  "5975261"   "6231472"  <br>"6244401"   "6439361"  <br>"6695110"   "7036643"  <br>"7225908").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2010/02/04<br>16:12 |
| L50 | 33      | L49 not L48  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L51 | 493     | L48 L50  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L52 | 493     | L51  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:12 |
| L53 | 1128875 | @pd>= "20090817"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:14 |
| L54 | 9       | 52 and 53  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:14 |
| L55 | 493     | 52 54  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2010/02/04<br>16:20 |
| S1  | 4       | ("20030178275"   "5975261"<br>  "6231472"   "6354413").<br>PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/08/17<br>17:22 |

|     |        |  |  |    |     |                     |
|-----|--------|--|--|----|-----|---------------------|
| S2  | 40     | ("4441315"   "4949822"  <br>"5129493"   "5377796"  <br>"5400884"   "5533602"  <br>"5551928"   "5733218"  <br>"5771998"   "5860500"  <br>"5863274"   "5975261"  <br>"6003650"   "6019683"  <br>"6058802"   "6099434"  <br>"6223872").PN. OR<br>("2003/0178275"  <br>"5975261"   "6231472"  <br>"6354413").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2009/08/17<br>17:27 |
| S3  | 42     | S1 S2  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:39 |
| S4  | 107    | arhab-rabah.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:39 |
| S5  | 18     | bonnel-daniel.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:39 |
| S6  | 9      | termenon-norberto.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:40 |
| S7  | 120    | S4 S5 S6   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:40 |
| S8  | 118    | S7 not S3  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:40 |
| S9  | 160    | S3 S8  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:49 |
| S10 | 1439   | (hydrodynamic hydrokinetic)<br>adj2 (clutch or coupling)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:50 |
| S11 | 28022  | "torque converter"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:50 |
| S12 | 28991  | S10 S11  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:50 |
| S13 | 10953  | ((lock adj up) or (lock\$1up<br>bypass bridg\$3)) adj (clutch<br>or coupling)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:52 |
| S14 | 439194 | damp\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:52 |
| S15 | 7019   | S12 and S13  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:53 |

|     |       |  |  |    |     |                     |
|-----|-------|--|--|----|-----|---------------------|
| S16 | 2033  | S14 and S15  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:53 |
| S17 | 10767 | (prevent\$3 restrict\$3) WITH<br>((flow or circulat\$3) and<br>radial) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:54 |
| S18 | 23    | S16 and S17  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:54 |
| S19 | 179   | S9 S18   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:59 |
| S20 | 22488 | valeo.as.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>17:59 |
| S21 | 50    | S20 and S16  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:00 |
| S22 | 25    | S21 not S19  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:00 |
| S23 | 204   | S19 S22  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:02 |
| S24 | 851   | 192/3.29.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:02 |
| S25 | 797   | 192/3.3.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:02 |
| S26 | 1573  | S24 S25  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:03 |
| S27 | 675   | S26 and S14  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:03 |
| S28 | 18    | S27 and S17  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:03 |
| S29 | 3     | S28 not S23  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:03 |
| S30 | 207   | S23 S29  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:04 |
| S31 | 550   | 192/70.12.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:30 |
| S32 | 873   | 192/113.34-113.36.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:31 |

|     |         |                 |  |    |     |                     |
|-----|---------|-----------------|--|----|-----|---------------------|
| S33 | 1172    | S31 S32         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:31 |
| S34 | 83      | S26 and S33     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:31 |
| S35 | 72      | S34 not S30     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:31 |
| S36 | 279     | S30 S35         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:38 |
| S37 | 414     | S26 and cool\$3 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:39 |
| S38 | 241     | S37 and S14     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:39 |
| S39 | 163     | S38 not S36     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>18:39 |
| S40 | 442     | S36 S39         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:01 |
| S41 | 360     | 192/212.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:03 |
| S42 | 521     | 192/70.17.ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:04 |
| S43 | 808     | S41 S42         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:04 |
| S44 | 207     | S12 and S43     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:04 |
| S45 | 2353460 | cool\$3         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:04 |
| S46 | 43      | S44 and S45     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:04 |
| S47 | 10      | S46 not S40     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:05 |
| S48 | 452     | S40 S47         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:06 |

|     |     |  |  |    |     |                     |
|-----|-----|--|--|----|-----|---------------------|
| S49 | 85  | ("2707887"   "2943516"  <br>"3068974"   "3240308"  <br>"3313181"   "4108289"  <br>"4138003"   "4347717"  <br>"4529070"   "4949822"  <br>"4951788"   "5054590"  <br>"5129493"   "5211270"  <br>"5377746"   "5400884"  <br>"5441135"   "5511640"  <br>"5533602"   "5551928"  <br>"5570767"   "5667042"  <br>"5725447"   "5733218"  <br>"5755314"   "5771998"  <br>"5782327"   "5863274"  <br>"5964329"   "5975261"  <br>"6003650"   "6019683"  <br>"6047806"   "6058802"  <br>"6099434"   "6142272"  <br>"6223872"   "6244401"  <br>"6325191"   "6640946"  <br>"6832673"   "7077253").PN.<br>OR ("2004/0144607"  <br>"2006/0266606"   "5964329"<br>  "5975261"   "6231472"  <br>"6244401"   "6439361"  <br>"6695110"   "7036643"  <br>"7225908").URPN. | US-PGPUB;<br>USPAT; USOCR                | OR | OFF | 2009/08/17<br>19:06 |
| S50 | 31  | S49 not S48  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:06 |
| S51 | 483 | S48 S50  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF | 2009/08/17<br>19:08 |

**EAST Search History (Interference)**

| Ref # | Hits  | Search Query  | DBs                      | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|--------------------------|------------------|---------|------------------|
| L56   | 328   | ((hydrokinetic or hydrodynamic) adj2 (clutch or coupling)).clm.               | US-PGPUB;<br>USPAT; UPAD | AND              | ON      | 2010/02/04 16:31 |
| L57   | 4109  | "torque converter".clm.   | US-PGPUB;<br>USPAT; UPAD | AND              | ON      | 2010/02/04 16:31 |
| L58   | 50956 | damp\$3.clm.  | US-PGPUB;<br>USPAT; UPAD | AND              | ON      | 2010/02/04 16:31 |
| L62   | 59829 | ((restrict\$3 or prevent\$3 or oppos\$3) near2 (flow\$3 or circulat\$3)).clm. | US-PGPUB;<br>USPAT; UPAD | AND              | OFF     | 2010/02/04 16:36 |
| L63   | 0     | 56 57 58 62   | US-PGPUB;<br>USPAT; UPAD | AND              | OFF     | 2010/02/04 16:37 |
| L64   | 5742  | (hydrokinetic or hydrodynamic).clm.   | US-PGPUB;<br>USPAT; UPAD | AND              | ON      | 2010/02/04 16:38 |
| L65   | 5     | 64 57 58 62   | US-PGPUB;<br>USPAT; UPAD | AND              | OFF     | 2010/02/04 16:39 |



**2/ 4/ 10 4:43:44 PM**

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